



April 24, 2015

To: Executive Board

Subject: **Approval of Sole Source Procurement: Two Electric Bus Charging Stations**

Recommendation

Approve a Sole Source Procurement in the amount of One Million Six Hundred Thousand Dollars (\$1,600,000) with Proterra LLC for the purchase and installation of two electric bus charging stations and authorize the Executive Director to negotiate contract terms and conditions with Proterra LLC.

Analysis

The construction of the Azusa Intermodal Parking facility and Proterra's launch of the Catalyst XR extended range battery electric charge provides Foothill Transit the opportunity to electrify Line 280. Line 280 is a 22-mile roundtrip route from Azusa to Puente Hills Mall Transit Center. A heavily used line currently operating at 20-minute frequency and proposed for operation at 15-minute frequency, the line is an appropriate application for the 13 extended range electric buses being procured by Foothill Transit from Proterra, LLC.

Effective operation of the electric buses will require two charging stations on two different bus platforms at the Park & Ride to enable two electric buses to charge simultaneously. This arrangement will also allow for redundancy in case of failure of one of the charging stations.

The overhead charging infrastructure will be built adjacent to the bus bay allowing the bus to autonomously "dock" while the bus enters the specially assigned bus bay to charge.

Foothill Transit's Procurement Policy allows for a sole source procurement when the offeror demonstrates a unique or innovative concept or capability not available from another source.

The Catalyst XR electric bus was designed and built by Proterra LLC. The bus charging system componentry in the bus is unique to the Catalyst XR and is not available from another source. In addition, the electric technology and engineering specifications of the charge head is designed to work only on the charge blades located on the roof top of Proterra electric buses. The charging system is proprietary to Proterra. Therefore, only Proterra has the



technical ability to build and install the charging stations appropriate for use with the Catalyst XR.

Budget Impact

Funding for this project will be included in Foothill Transit's Proposed Budget and Business Plan for Fiscal Year 2015-2016. Final award of this contract will be contingent upon approval of the Foothill Transit budget for next fiscal year.

Sincerely,



Roland M. Cordero
Director of Maintenance & Vehicle Technology



Doran J. Barnes
Executive Director